ELSEVIER

Journal of Controlled Release 44 (1997) 307–308

journal of controlled release

Contents Volume 44 (1997)

Vol. 44, No. 1 (FEBRUARY 1997)

Toxicity of doxorubicin entrapped within long-circulating liposomes
T. Daemen, J. Regts, M. Meesters (Groningen, The Netherlands), M.T. Ten Kate, I.A.J.M. Bakker-Woudenberg (Rotterdam, The Netherlands) and G.L. Scherphof (Groningen, The Netherlands) 1

Passive transport of small ions through human stratum corneum
V. Aguilella, M. Belaya and V. Levadny (Castellón, Spain) 11

Iron(III)-carboxymethylchitin microsphere for the pH-sensitive release of 6-mercaptopurine
F.-L. Mi, C.-T. Chen, Y.-C. Tseng, C.-Y. Kuan and S.-S. Shyu (Taiwan, R.O.C.) 19

Interaction between penetration enhancers and iontophoresis: effect on human skin impedance in vivo
Y.N. Kalia and R.H. Guy (San Francisco, CA, USA; Archamps, France) 33

Development of silicone-based barrier devices for controlled delivery of spermicidal agents
C.-H. Lee (Ann Arbor, MI, USA), R.E. Bagdon (Piscataway, NJ, USA), P.P. Bhatt (Midland, MI, USA) and Y.W. Chien (Piscataway, NJ, USA) 43

Ex-vivo permeation study of indomethacin from a submicron emulsion through albino rabbit cornea
S. Muchtar, M. Abdulrazik, J. Frucht-Pery and S. Benita (Jerusalem, Israel) 55

In vitro cell interaction and in vivo biodistribution of poly(lactide-co-glycolide) nanospheres surface modified by poloxamer and poloxamine copolymers
S.E. Dunn, A.G.A. Coombes, M.C. Garnett, S.S. Davis, M.C. Davies and L. Illum (Nottingham, UK) 65

Controlled release of ionic compounds from poly (L-lactide) microspheres produced by precipitation with a compressed antisolvent
R. Falk, T.W. Randolph (Boulder, CO, USA), J.D. Meyer, R.M. Kelly and M.C. Manning (Denver, CO, USA) 77

Release of taxol from poly(ϵ-caprolactone) pastes: effect of water-soluble additives
S.K. Dordunoo, A.M.C. Oktaba, W. Hunter (Vancouver, Canada), W. Min, T. Cruz (Toronto, Canada) and H.M. Burt (Vancouver, Canada) 87

Short communication

Formulation and testing of methazolamide cyclodextrin eye drop solutions
H. Fridriksdóttir, T. Loftsson and E. Stefánsson (Reykjavik, Iceland) 95

Calendar of meetings 101

Vol. 44, Nos. 2,3 (FEBRUARY 1997)

Characterization of collagen isolation and application of collagen gel as a drug carrier
H.-O. Ho, L.-H. Lin and M.-T. Sheu (Taipei, Taiwan, ROC) 103

Transdermal iontophoretic delivery of ketoprofen through human cadaver skin and in humans
P.C. Panus (Johnson City, TN, USA), J. Campbell, S.B. Kulkarni (Auburn, AL, USA), R.T. Herrick (Opelika, AL, USA), W.R. Ravis and A.K. Banga (Auburn, AL, USA) 113

Stability and release of bovine serum albumin encapsulated within poly(D,L-lactide-co-glycolide) microparticles
G. Crotts (Philadelphia, PA, USA) and T.G. Park (Kyunggido, South Korea) 123

Modulation of diclofenac release from a totally soluble controlled release drug delivery system
L. Yang and R. Fassihi (Philadelphia, USA) 135

Corticosteroid dermal delivery with skin-lipid liposomes
M. Fresta and G. Puglisi (Catania, Italy) 141
In vivo behavior of poly(D,L)-lactide microspheres designed for chemoembolization
P. Flandroy, Ch. Grandfils, B. Daenen, F. Snaps, R.F. Dondelinger, R. Jérôme, R. Bassleer and E. Heinen (Liège, Belgium) 153
Controlled activity polymers. X synthetically tailored monomers and copolymers with hydrolytically-labile pendent esters of allelopathic phenols
C.J. Boudreaux, W.C. Bunyard and C.L. McCormick (Hattiesburg, MI, USA) 171
Controlled activity polymers. XI Hydrolytic release studies of hydrophilic copolymers with labile esters of model allelopathic phenols
C.J. Boudreaux, W.C. Bunyard and C.L. McCormick (Hattiesburg, MI, USA) 185
Medical application of microencapsulating hybridoma cells in agarose microbeads 'cytomedicine': therapeutic effect on IgG1 plasmacytosis and mesangio-proliferative glomerulonephritis in the interleukin 6 transgenic mouse
N. Okada, H. Miyamoto, Y. Kaneda, Y. Yamamoto (Osaka, Japan), A. Katsume, H. Saito, K. Yorozu, O. Ueda (Shizuoka, Japan), Y. Tsutsumi, S. Nakagawa (Osaka, Japan), Y. Ohsugi (Shizuoka, Japan) and T. Mayumi (Osaka, Japan) 195
A novel in situ-forming ophthalmic drug delivery system from alginates undergoing gelation in the eye
S. Cohen (Beer-Sheva, Israel), E. Lobel (Netanya, Israel), A. Trevgoda and Y. Peled (Beer-Sheva, Israel) 201
Extensive in vivo angiogenesis from the controlled release of endothelial cell growth factor: implications for cell transplantation and wound healing
C.Y. Ko, V. Dixit, W. W. Shaw and G. Gitnick (Los Angeles, USA) 209
Mechanical, water uptake and permeability properties of crosslinked chitosan glutamate and alginate films
C. Remuñán-López and R. Bodmeier (Austin, TX, USA) 215
Release of the fluorescent marker Prodan® from poly(D,L-lactic acid) nanoparticles coated with albumin or polyvinyl alcohol in model digestive fluids (USP XXII)
F.B. Landry (Frankfurt am Main, Germany), D.V. Bazile, G. Spenlehauer, M. Veillard (Vitry-sur-Seine, France) and J. Kreuter (Frankfurt am Main, Germany) 227
Delayed release of a model protein from enzymatically-degrading dextran hydrogels
O. Franssen, O.P. Vos and W.E. Hennink (Utrecht, The Netherlands) 237
Observation of time-dependent and variable subject kinetics in a nifedipine gastrointestinal therapeutic system bioequivalency study
J.S. Grundy, D.W. Grace and R.T. Foster (Edmonton, Canada) 247
Heterogeneity of serum albumin samples with respect to solid-state aggregation via thiol-disulfide interchange — Implications for sustained release from polymers
H.R. Costantino, L. Shieh, A.M. Klibanov and R. Langer (Cambridge, MA, USA) 255
Lag time method to delay drug release to various sites in the gastrointestinal tract
C.-C. Kao, S.-C. Chen and M.-T. Sheu (Taipei, Taiwan, ROC) 263
Bioerodible implants with programmable drug release
A. Göpferich (Erlangen, Germany) 271
Double-walled microparticles for single shot vaccine
H.K. Lee, J.H. Park and K.C. Kwon (Daejeon, South Korea) 283

Short communication
Interaction of supramolecular assembly with hairless rat stratum corneum
W. Kamimura, T. Ooya, N. Yui (Ishikawa, Japan) 295

Calendar of meetings 301
Author Index Volume 44 303
Subject Index Volume 44 305
Contents Volume 44 307